

New Material Codes - Codification changes - Certificates

Union Database (UDB)

DG ENER

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Agenda

I. Overview of the New Material Code Changes - Certificates

II. New Material Codification in Certificates

- UDB User Interface updates
- Bulk Upload File(s) updates
- Exchange Model updates

III. Transition period Approach & Time



Overview of the New Material Code Changes - Certificates

The New Material Code Classification introduces two key enhancements to certificate management:

- **"Produced From Material"** remains available for applicable material codes.
- **"Technology / Production Pathway"** is introduced and is **mandatory for New Fuel Codes set as Output**.

The table below summarises when each field is **optional**, **conditional**, **required**, or **not applicable** for each Material/Fuel Code.

Material / Fuel Codes	From	Technology / Production Pathway
Legacy Raw Material	Optional (No value expected)	Disabled (Not allowed)
New Raw Material	Optional (No value expected)	Disabled (Not allowed)
Legacy Intermediate Product	Optional	Disabled (Not allowed)
New Intermediate Product	Conditional* (Value expected)	Disabled (Not allowed)
Legacy Fuel Code	Optional (No value expected)	Disabled (Not allowed)
New Fuel Code	Optional (No value expected)	Mandatory



UDB User Interface updates – Certificates management

The Certificate Management screen has been updated to support the New Material Code Classification.

Users can now:

- Select **Legacy** or **New** Material/Fuel Codes.
- Specify the **Produced From Material** where applicable.
- Select the **Technology / Production Pathway** for **New Fuel Codes**.

The table below summarises the applicable rules for each Material/Fuel Code.

Certificate Details > Address And Sites > Scopes and Material Sustainability

Back to list Back Reset Finish

Site name *

Scope of Activity *

Crops certified as

Materials / Fuels codes:
☐ Old ☒ New

Input Material * From Technology / Production Pathway Output Material * From Technology / Production Pathway GHG * Start of Operation / Production Plant Start Date

Maximum capacity of plant per year Maximum sustainable capacity of plant per year Measuring unit +

Material / Fuel Codes	From	Technology / Production Pathway
Legacy Raw Material	Optional (No value expected)	Disabled (Not allowed)
New Raw Material	Optional (No value expected)	Disabled (Not allowed)
Legacy Intermediate Product	Optional	Disabled (Not allowed)
New Intermediate Product	Conditional* (Value expected)	Disabled (Not allowed)
Legacy Fuel Code	Optional (No value expected)	Disabled (Not allowed)
New Fuel Code	Optional (No value expected)	Mandatory



Bulk Upload File(s) updates – Certificates upload

The following conditional columns have been added for both **Input** and **Output** materials:

- **IN_MATERIAL_TECH_PROD_PATH**
- **OUT_MATERIAL_TECH_PROD_PATH**

You can view the updated CERT_SITE_SCOPE worksheet in the certificate template [here](#) and in the scopes template [here](#). The latest templates will be available in the UDB application.

INPUT_MATERIAL*	INPUT_MATERIAL_FROM	IN_MATERIAL_TECH_PROD_PATH	OUT_MATERIAL*	OUTPUT_MATERIAL_FROM	OUT_MATERIAL_TECH_PROD_PATH	GF

< >

CERT

CERT_SITE

CERT_SITE_SCOPE

+

Material / Fuel Codes	From	Technology / Production Pathway
Legacy Raw Material	Optional (No value expected)	Disabled (Not allowed)
New Raw Material	Optional (No value expected)	Disabled (Not allowed)
Legacy Intermediate Product	Optional	Disabled (Not allowed)
New Intermediate Product	Conditional* (Value expected)	Disabled (Not allowed)
Legacy Fuel Code	Optional (No value expected)	Disabled (Not allowed)
New Fuel Code	Optional (No value expected)	Mandatory



Exchange Model updates - Certificates

Certificate eDelivery services impacted:

AddUpdateCertificateRequest

GetCertificateResponse

Inside, in the EO_SITE_SCOPE parent element, we shall have 2 new optional elements:

<!-- Optional: -->

<IN_MATERIAL_TECH_PROD_PATH>string</IN_MATERIAL_TECH_PROD_PATH>

<!-- Optional: -->

<OUT_MATERIAL_TECH_PROD_PATH>string</OUT_MATERIAL_TECH_PROD_PATH>

Material / Fuel Codes	From	Technology / Production Pathway
Legacy Raw Material	Optional (No value expected)	Disabled (Not allowed)
New Raw Material	Optional (No value expected)	Disabled (Not allowed)
Legacy Intermediate Product	Optional	Disabled (Not allowed)
New Intermediate Product	Conditional* (Value expected)	Disabled (Not allowed)
Legacy Fuel Code	Optional (No value expected)	Disabled (Not allowed)
New Fuel Code	Optional (No value expected)	Mandatory



Transition period Approach & Time - Certificates

Transition Timeline & Approach

- **End of July 2026 (in ACC – Test environment):** New Material Code Classification available in Certificate Management.
- **Sep–Dec 2026 (Transition in Production and ACC environments):** Both **legacy** and **new** material codes are supported (UI, Bulk & eDelivery).
- **From Jan 2027:** Only **New Material Codes** will be accepted.

New Material Code Rules

- **Fuels:** Encode with **Technology + Production Pathway**.
- **Intermediate Products:** Encode with **Produced From Material**.

Reference

- See the **Material Code Mapping** document for the mapping between legacy and new material codes [here](#),
- * It also includes the New Intermediate Products for which “From” information is required.



Thank you



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